

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A human gene over-expressing animal, which is a non-human animal carrying a human hematopoietic prostaglandin D2 synthase gene in its somatic cell chromosome and expressing ~~a large amount of~~ human prostaglandin D2 synthase in the lung, spleen and liver at a level more than five times that of a wild-type animal, wherein the human gene over-expressing animal is ~~one~~ obtained through ontogenesis of a totipotency cell of a non-human animal or offspring of the obtained animal, and the totipotency cell is introduced with said synthase gene.

2. (Original) The human gene over-expressing animal of claim 1, wherein the non-human animal is a mouse.

3. (Currently amended) A method for testing ~~in-vivo~~ in vivo activity of a candidate ~~for the anti-allergy medicines~~ substance, which comprises administering the candidate substance to the human gene over-expressing animal of claim 1 or 2, and measuring allergic reactions of the human gene over-expressing animal to thereby evaluate the activity of the candidate substance.

4. (Currently amended) A method for testing ~~in-vivo~~ in vivo activity of ~~sleep-controlling substances~~ a candidate sleep-lowering substance, which comprises administering ~~a the candidate for the substances~~ substance to the human gene over-expressing animal of claim 1 or 2, and measuring sleep condition of the human gene over-expressing animal to thereby evaluate the activity of the candidate substance.

5. (Currently amended) A method for testing ~~in vivo~~ in vivo activity of a ~~differentiation-controlling substance for mast cell and adipose cell~~ candidate body weight-lowering substance, which comprises administering a the candidate ~~for the substance~~ substance to the human gene over-expressing animal of claim 1 or 2, and measuring the obesity condition of the human gene over-expressing animal to thereby evaluate the activity of the candidate substance.